

FIG. 1 is a block diagram of a system architecture. The system includes a First Tier Developer/Owner (110) connected to a First Tier Financial Institutions (110). The First Tier Developer/Owner (110) is connected to a Second Tier Architect/Engineer (120), a Second Tier General Contractor (120), and a Second Tier Construction Manager (120). The Second Tier Architect/Engineer (120) is connected to a Third Tier Equipment Vendor (130). The Second Tier General Contractor (120) is connected to a Third Tier Subcontractor (130). The Second Tier Construction Manager (120) is connected to a Third Tier Material Supplier (130). The Third Tier Subcontractor (130) is connected to a Fourth Tier Equipment Vendor (140), a Fourth Tier Subcontractor (140), and a Fourth Tier Material Supplier (140). The Fourth Tier Equipment Vendor (140) is connected to a Fifth Tier Equipment Vendor (150). The Fourth Tier Subcontractor (140) is connected to a Fifth Tier Subcontractor (150). The Fourth Tier Material Supplier (140) is connected to a Fifth Tier Material Supplier (150). The Fifth Tier Equipment Vendor (150) is connected to a Sixth Tier Equipment Vendor (160). The Fifth Tier Subcontractor (150) is connected to a Sixth Tier Subcontractor (160). The Fifth Tier Material Supplier (150) is connected to a Sixth Tier Material Supplier (160).



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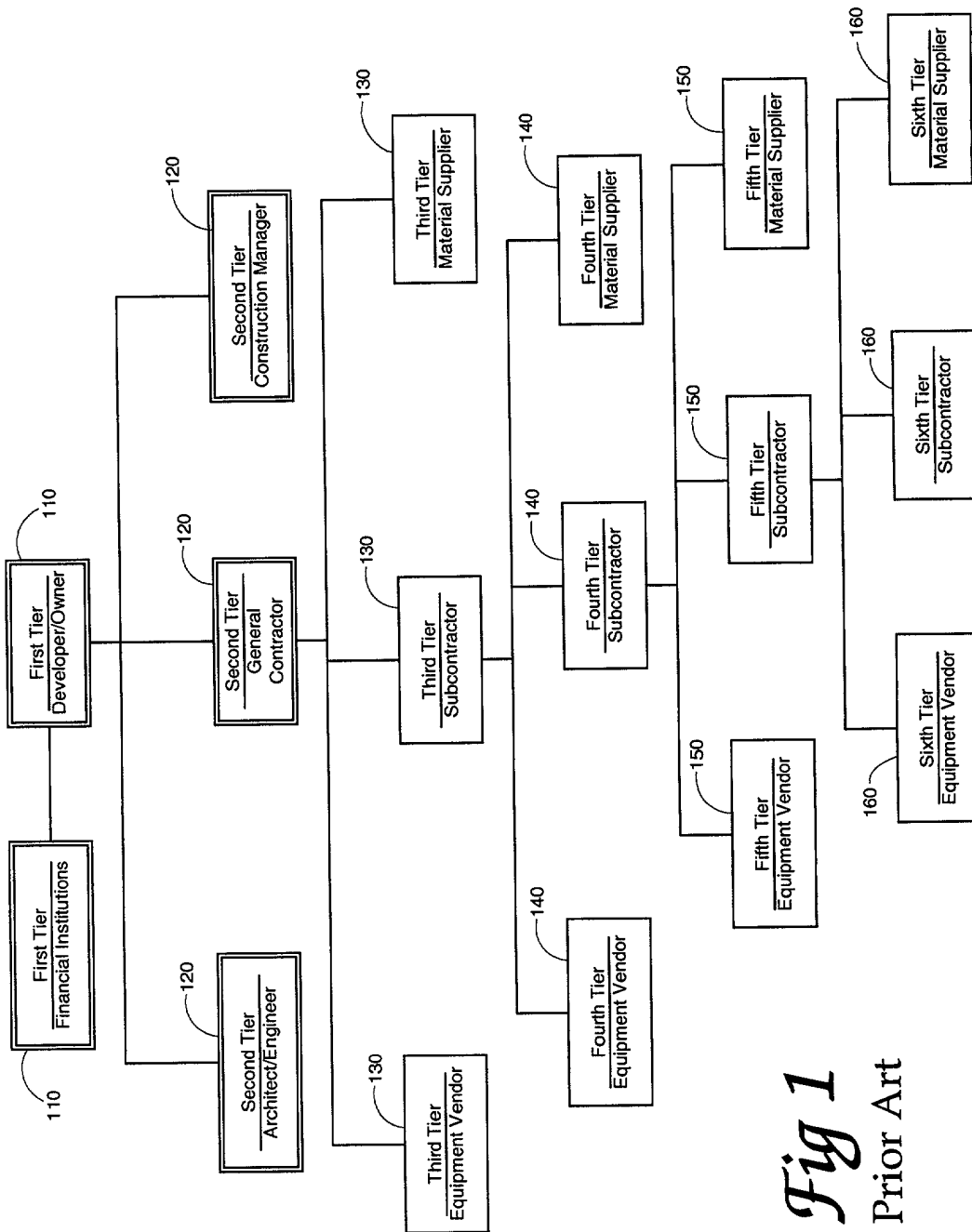


Fig 1
Prior Art



FIG. 2 is a block diagram of a system architecture for a multi-tiered supply chain. The diagram illustrates the flow of information and materials between various tiers of the supply chain, from the First Tier down to the Sixth Tier. The First Tier includes Financial Institutions (110) and a Developer/Owner (110). The Second Tier includes an Architect/Engineer (120), a General Contractor (120), and a Construction Manager (120). The Third Tier includes an Equipment Vendor (130), a Subcontractor (130), and a Material Supplier (130). The Fourth Tier includes an Equipment Vendor (140), a Subcontractor (140), and a Material Supplier (140). The Fifth Tier includes an Equipment Vendor (150), a Subcontractor (150), and a Material Supplier (150). The Sixth Tier includes an Equipment Vendor (160), a Subcontractor (160), and a Material Supplier (160). The diagram shows how information and materials flow from the First Tier down to the Sixth Tier, with each tier having its own set of entities and connections.

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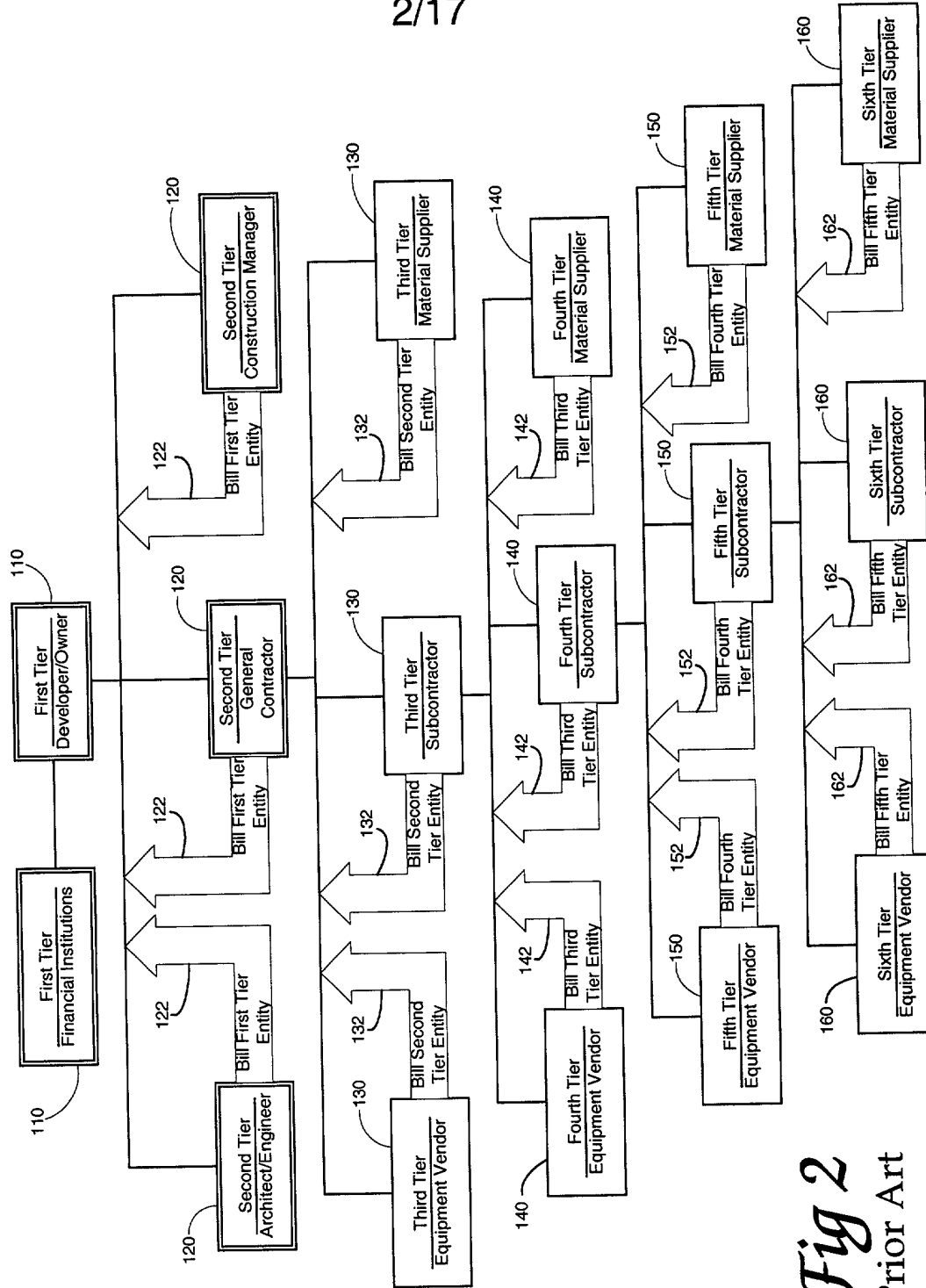


Fig 2
Prior Art

FIG. 3 is a block diagram of a system for managing a construction project. The system includes a First Tier Developer/Owner (110) and a First Tier Financial Institutions (110). The First Tier Developer/Owner (110) is connected to a Second Tier Architect/Engineer (120) and a Second Tier General Contractor (120). The First Tier Financial Institutions (110) is connected to a Second Tier Construction Manager (120). The Second Tier Architect/Engineer (120) is connected to a Third Tier Equipment Vendor (130). The Second Tier General Contractor (120) is connected to a Third Tier Subcontractor (130). The Second Tier Construction Manager (120) is connected to a Third Tier Material Supplier (130). The Third Tier Equipment Vendor (130) is connected to a Fourth Tier Equipment Vendor (140). The Third Tier Subcontractor (130) is connected to a Fourth Tier Subcontractor (140). The Third Tier Material Supplier (130) is connected to a Fourth Tier Material Supplier (140). The Fourth Tier Equipment Vendor (140) is connected to a Fifth Tier Equipment Vendor (150). The Fourth Tier Subcontractor (140) is connected to a Fifth Tier Subcontractor (150). The Fourth Tier Material Supplier (140) is connected to a Fifth Tier Material Supplier (150). The Fifth Tier Equipment Vendor (150) is connected to a Sixth Tier Equipment Vendor (160). The Fifth Tier Subcontractor (150) is connected to a Sixth Tier Subcontractor (160). The Fifth Tier Material Supplier (150) is connected to a Sixth Tier Material Supplier (160). The Sixth Tier Equipment Vendor (160) is connected to a Sixth Tier Equipment Vendor (160). The Sixth Tier Subcontractor (160) is connected to a Sixth Tier Subcontractor (160). The Sixth Tier Material Supplier (160) is connected to a Sixth Tier Material Supplier (160).

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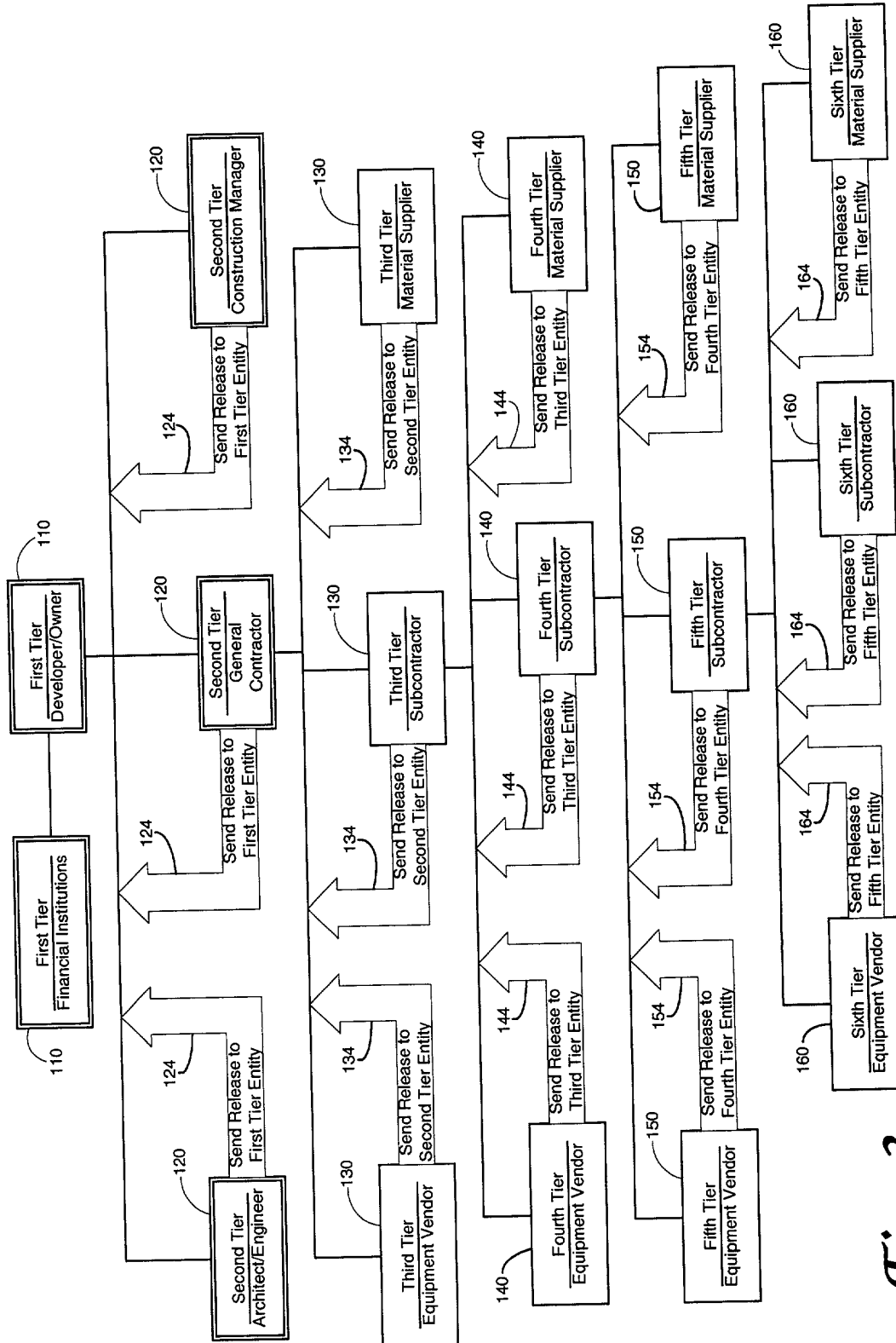


Fig. 3
Prior Art

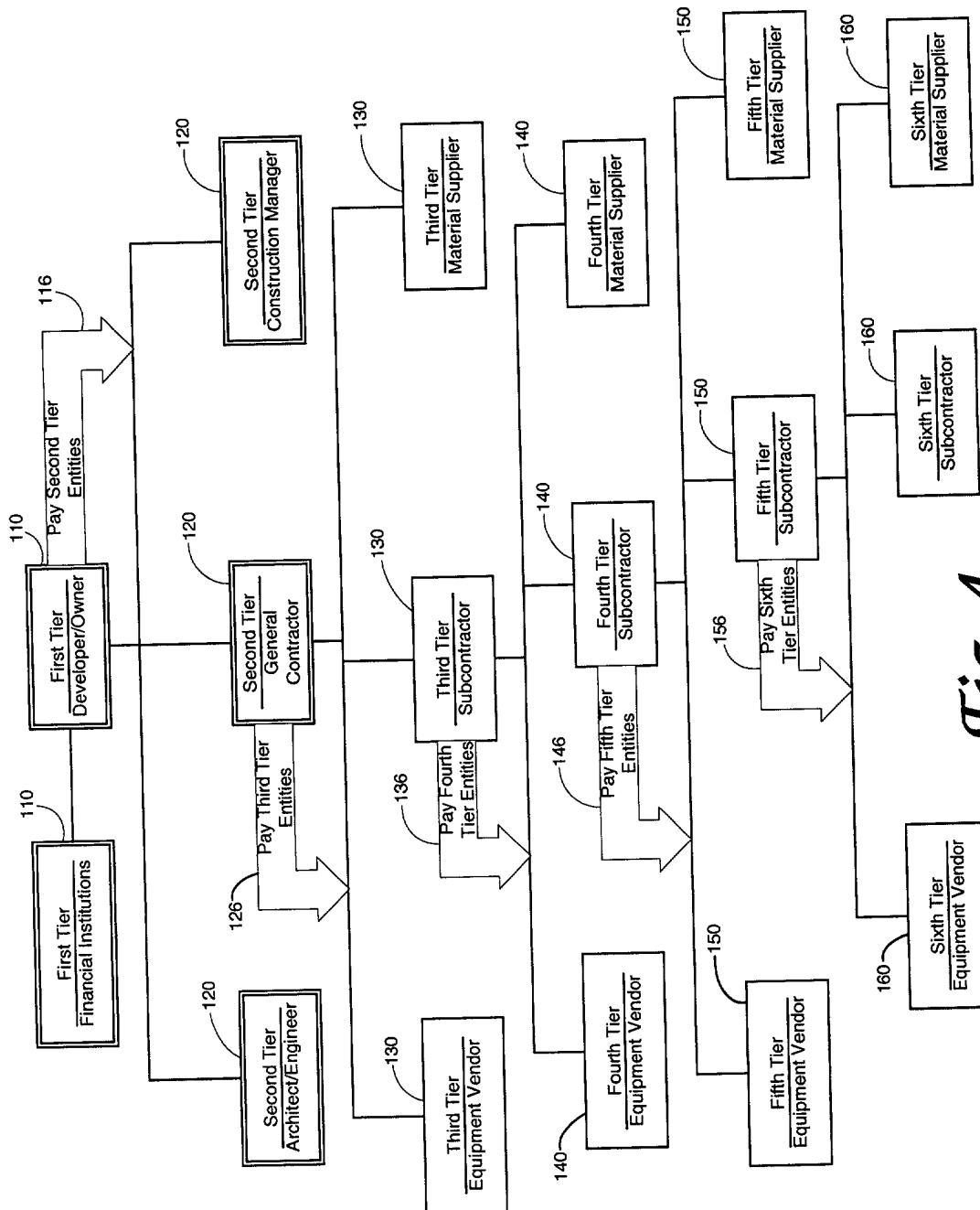


Fig. 4
Prior Art

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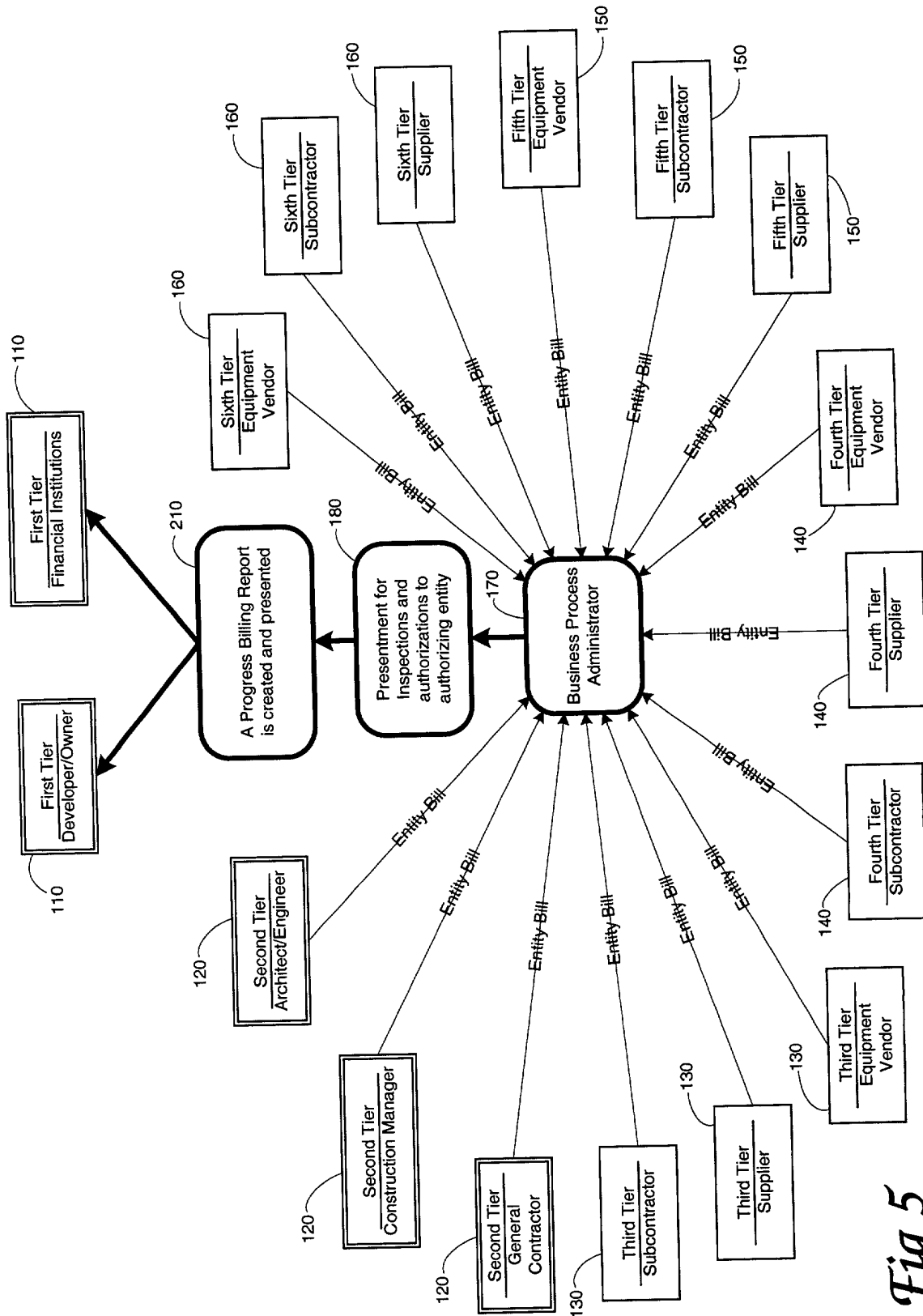


Fig 5

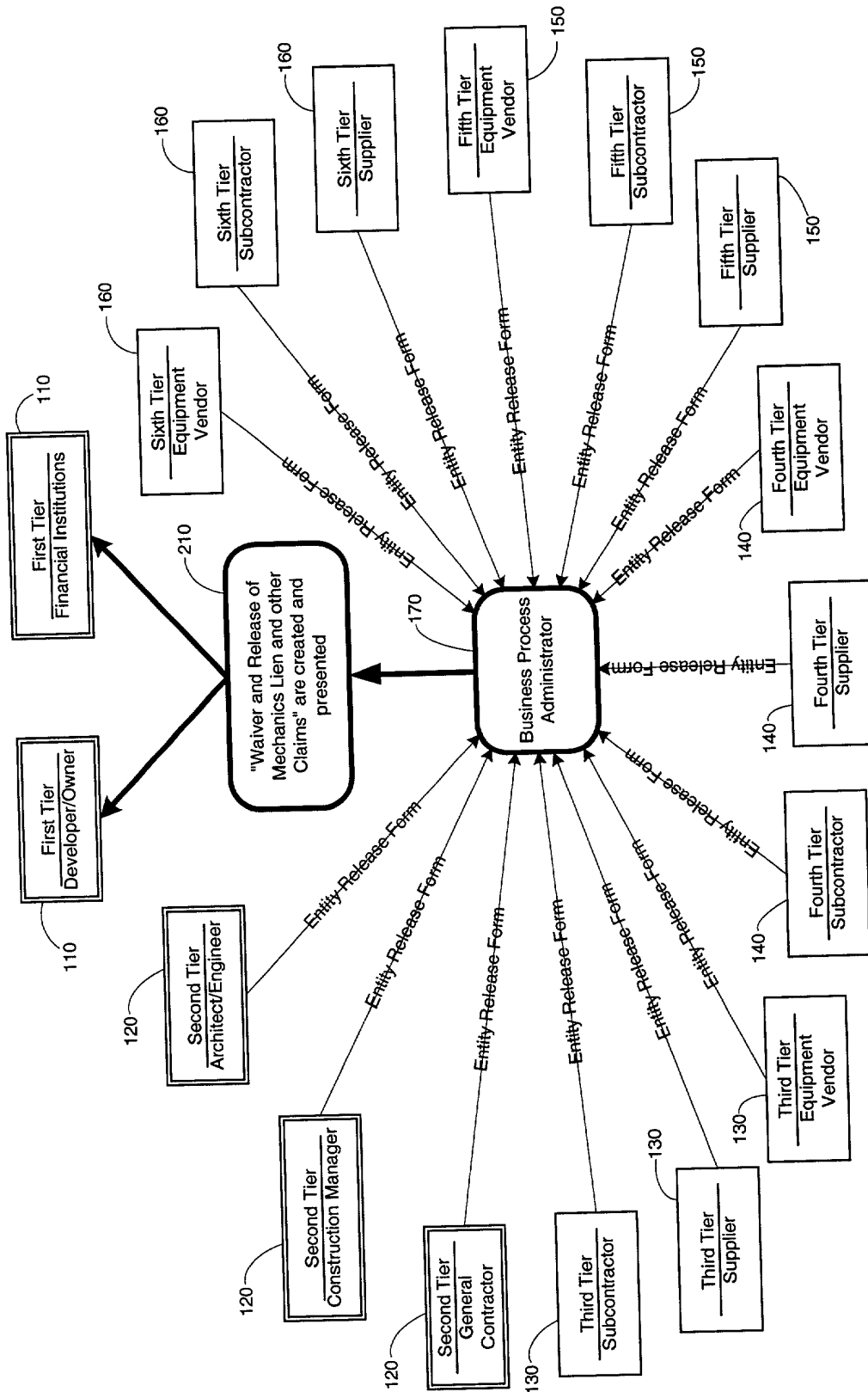


Fig 6

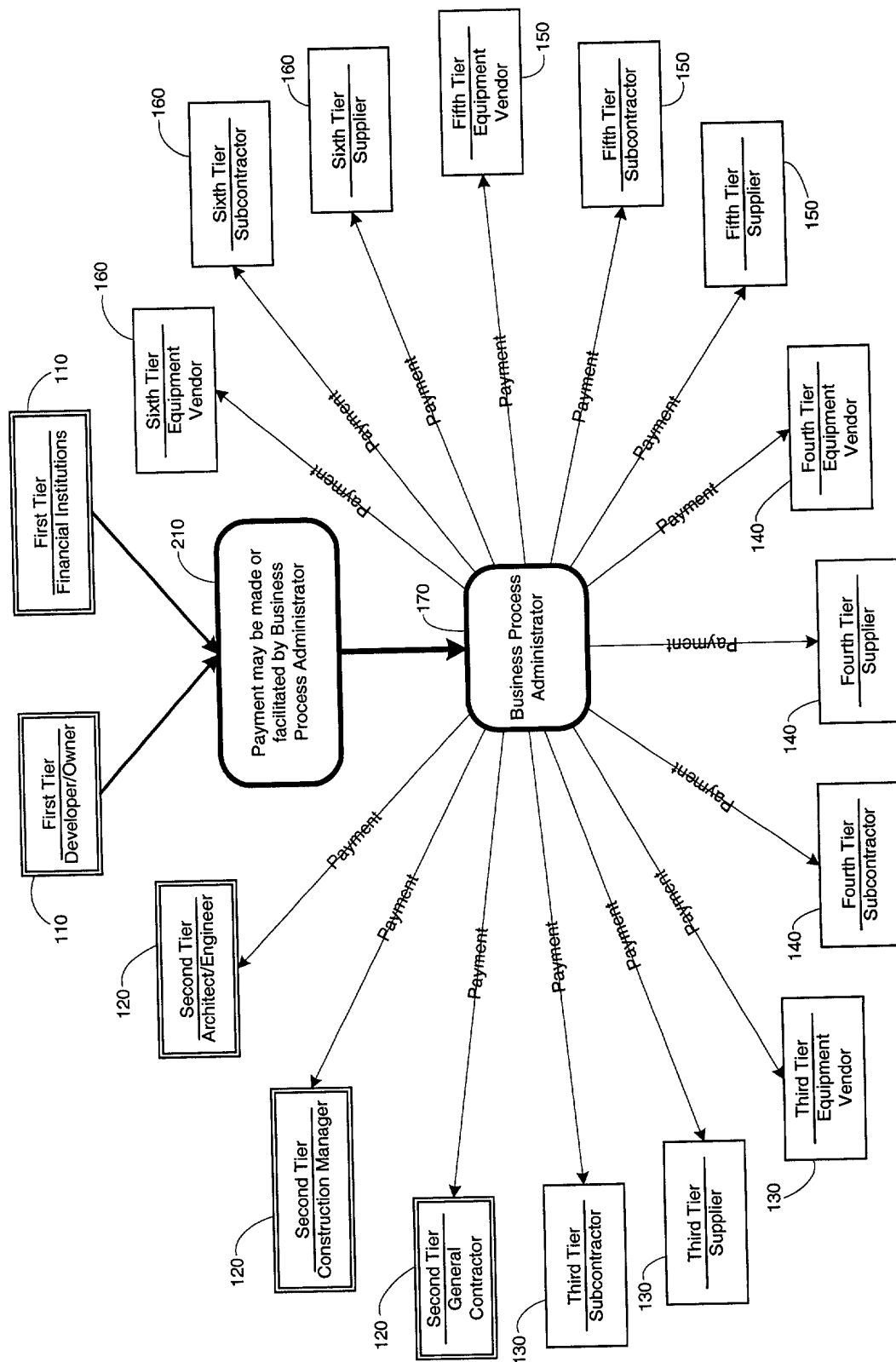


Fig 7

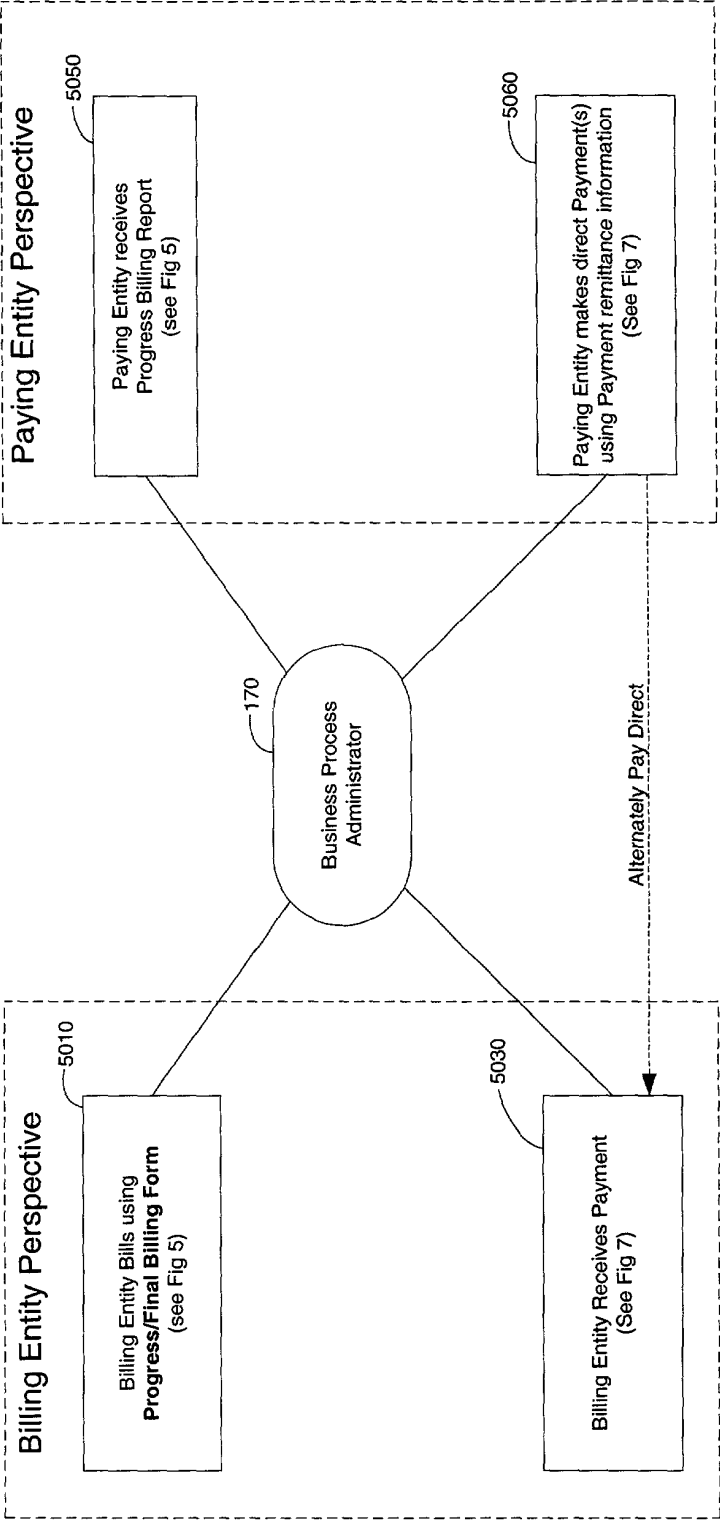


Fig 8

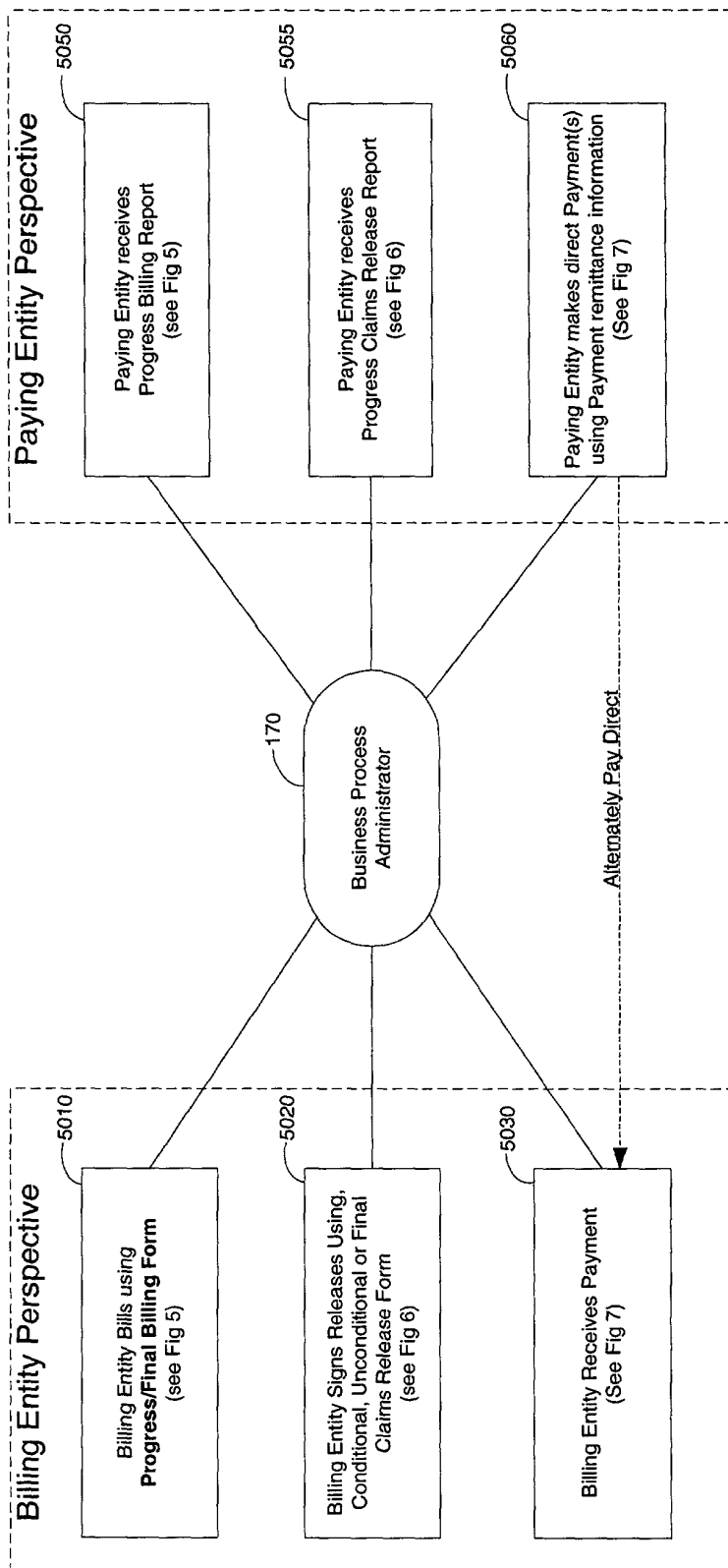


Fig 9

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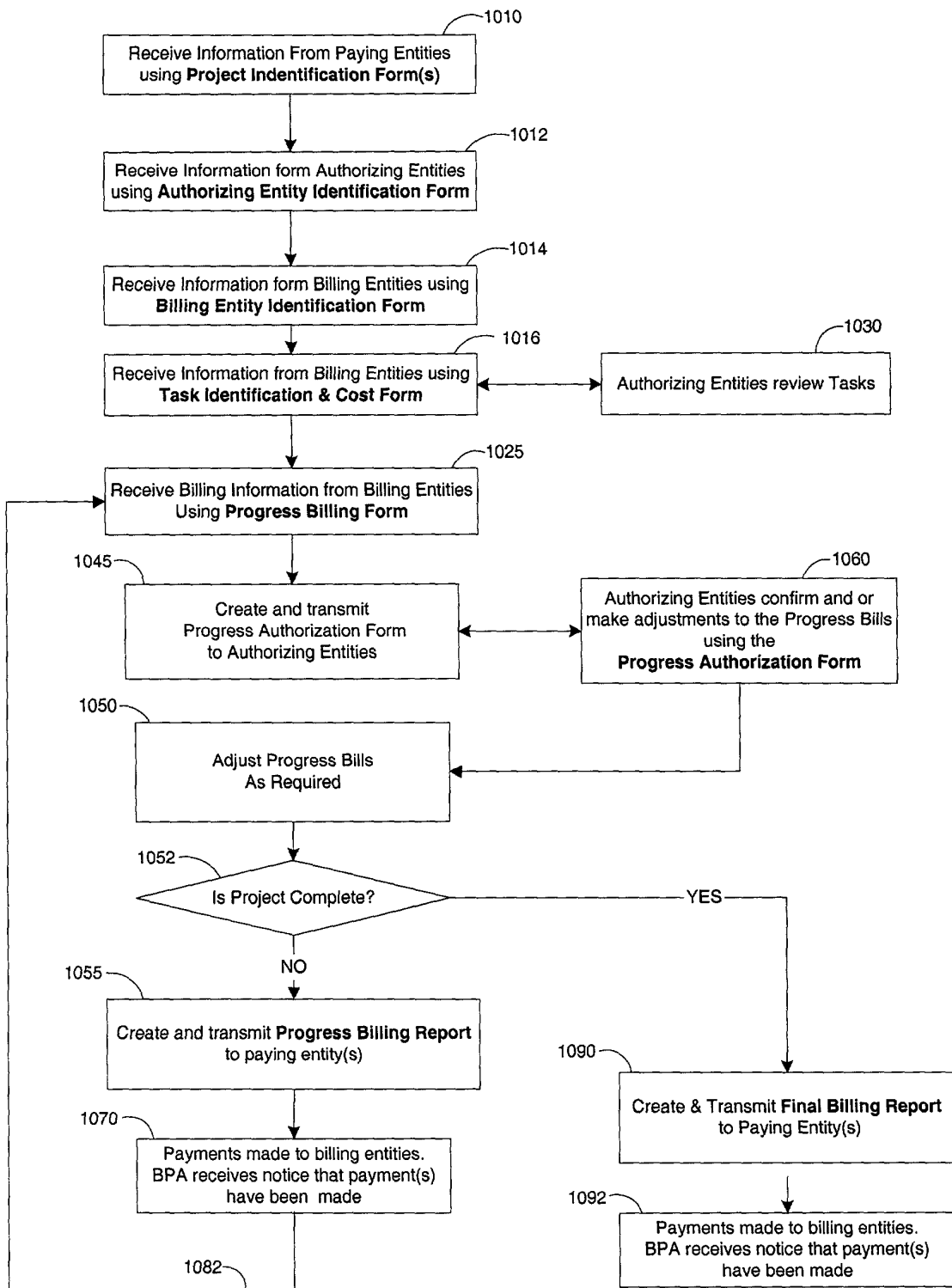


Fig 10

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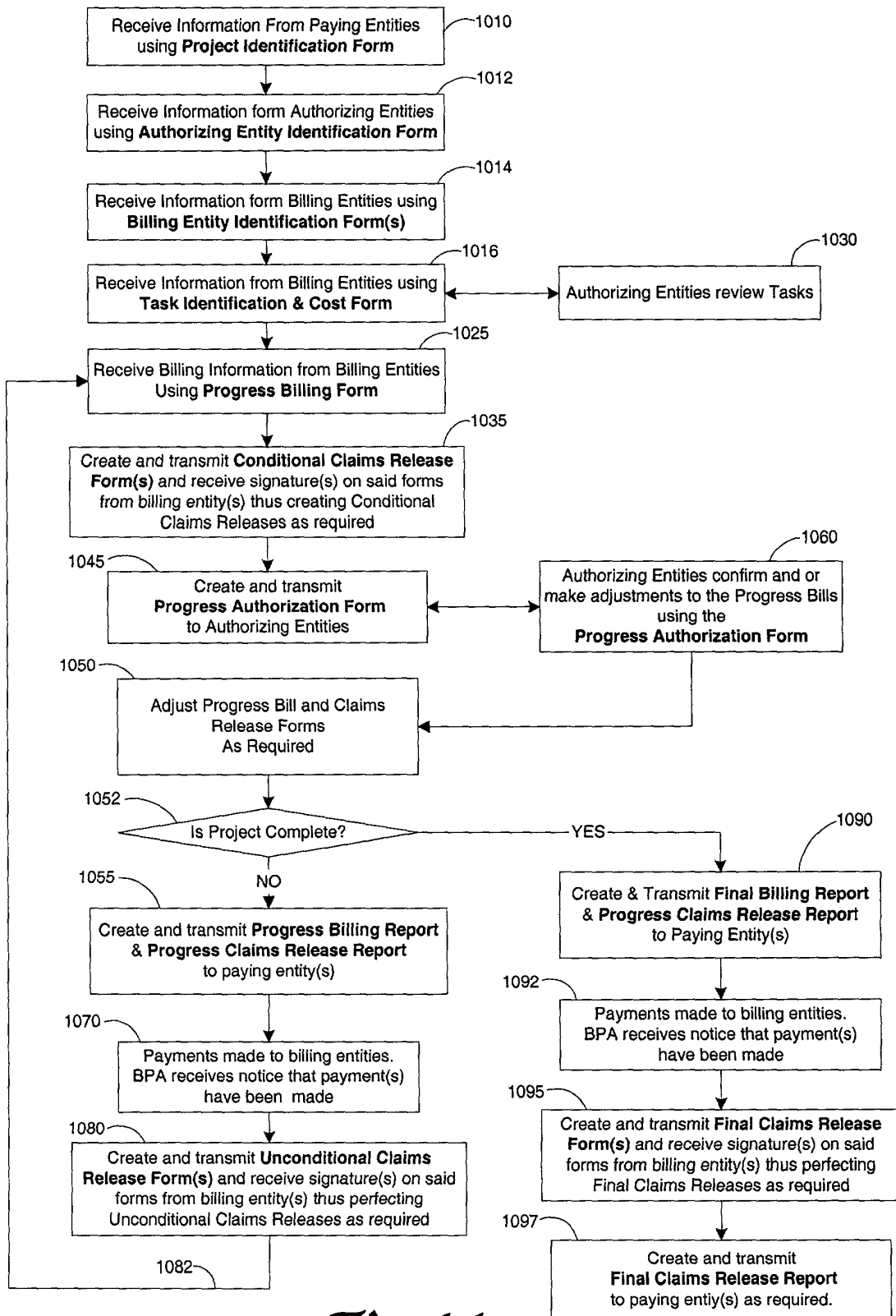


Fig 11

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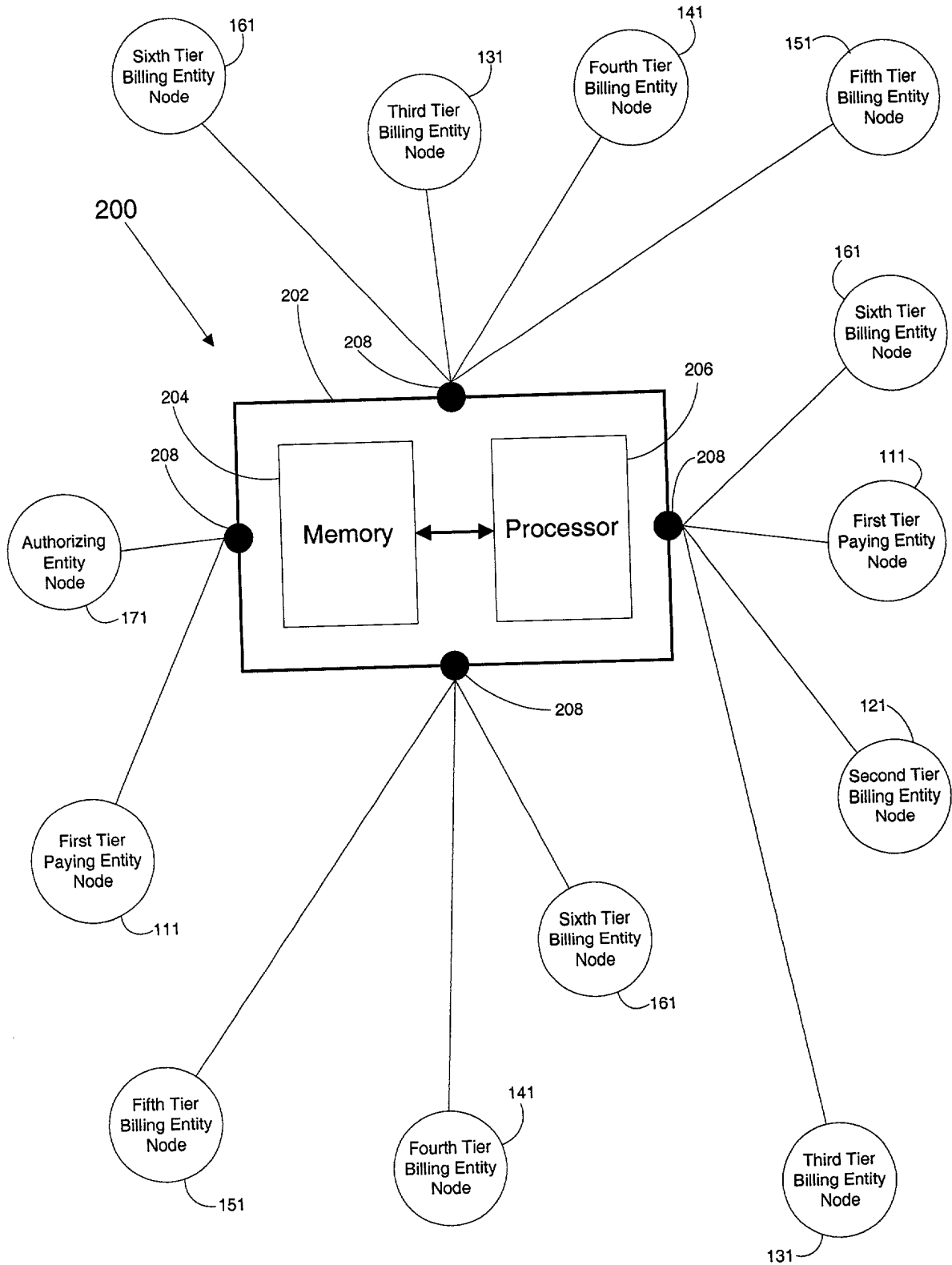
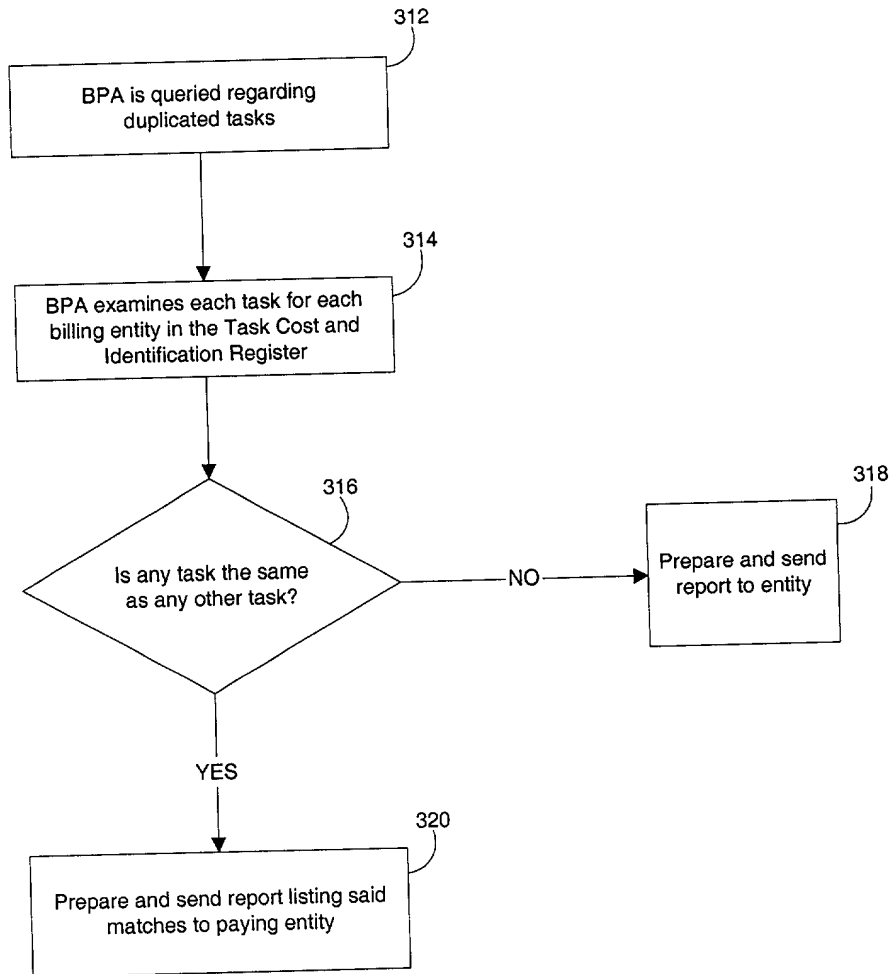
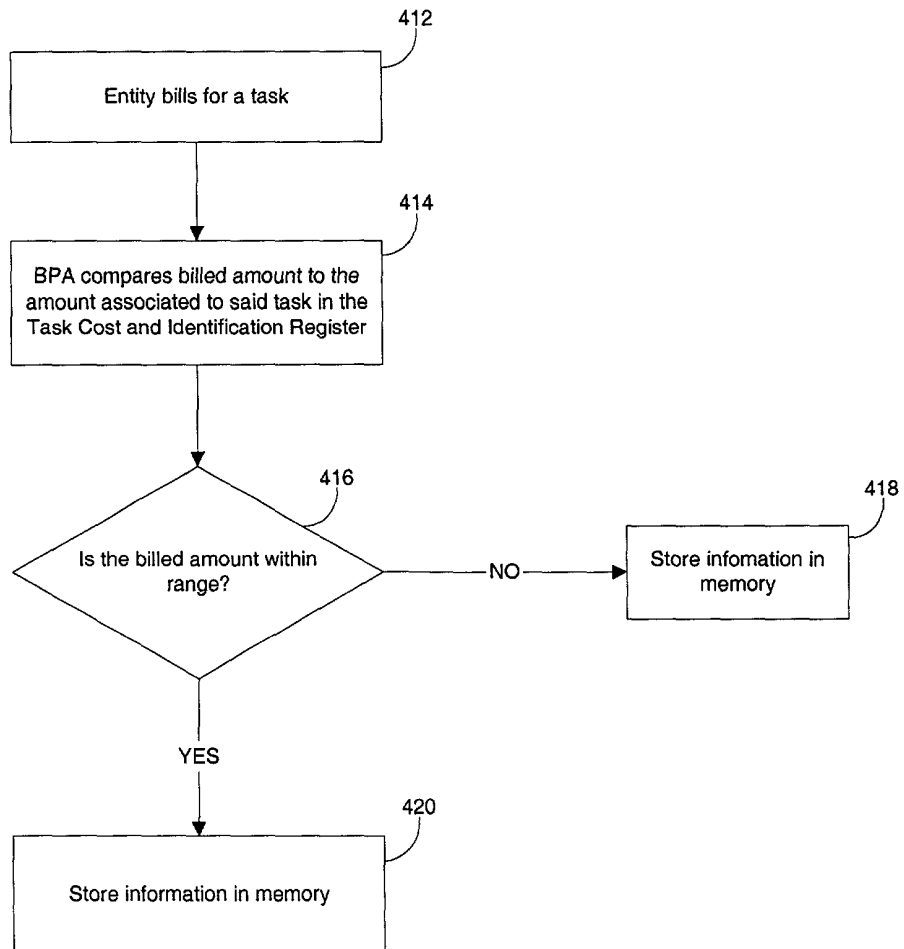
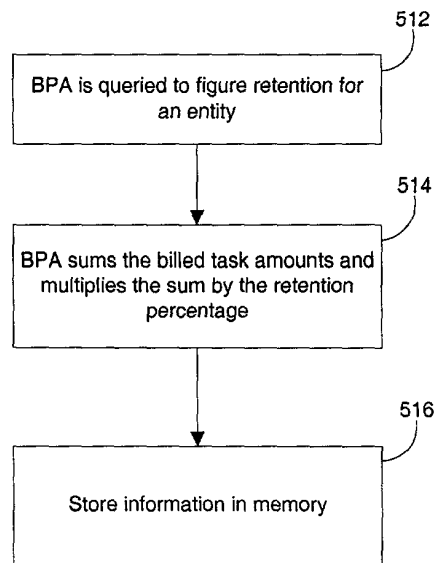


Fig. 12

*Fig 13*

*Fig 14*

*Fig 15*

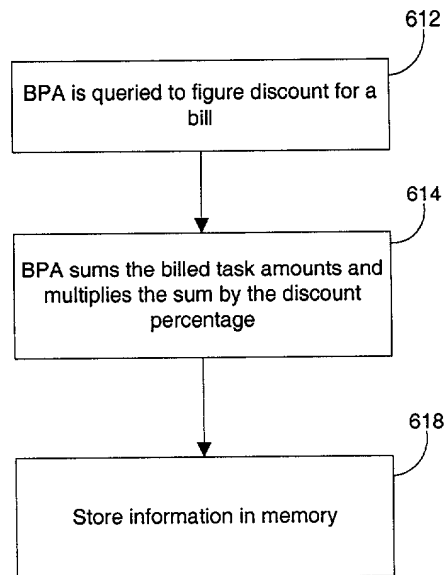


Fig 16

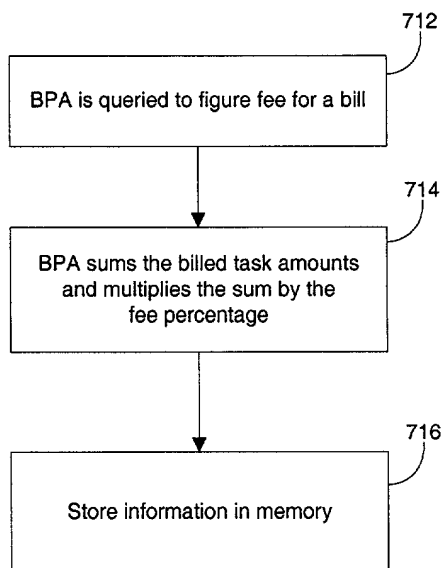


Fig 17